

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION

DR-597

Effective Date: March 1, 2013

Reevaluation Date: **September 2014**

The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**.

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code and the Texas Engineering Practice Act.

Series 05 Aluminum Clad Wood Inswing Hinged Single Patio Doors, Non-impact Resistant,
manufactured by

Eagle Window and Door
2045 Kerper Blvd
Dubuque, Iowa 52001
Telephone: (800) 324-5354
www.eaglewindow.com

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series 05 Aluminum Clad Wood Inswing Hinged Single Patio Doors	CW-PG45 40 x 102-SHD	+45 psf / -65 psf
2	Series 05 Aluminum Clad Wood Inswing Hinged Single Patio Doors	CW-PG40 40 x 120-SHD	± 40 psf

Product Dimensions:

System	Overall Size	Active Panel Size	Daylight Opening Size
1	40" x 102"	38 $\frac{3}{16}$ " x 99 $\frac{3}{16}$ "	28 $\frac{13}{16}$ " x 86 $\frac{1}{2}$ "
2	40" x 120"	38 $\frac{1}{8}$ " x 117 $\frac{3}{16}$ "	32 $\frac{3}{4}$ " x 104 $\frac{1}{2}$ "

Hardware:

Hinges:

Systems 1, 2: Four (4) required; Secured to the door panel with four (4) No. 12 x 1 $\frac{1}{2}$ " screws.
Secured to the door frame with four (2) No. 12 x 1 $\frac{1}{2}$ " screws.

Lock Assembly:

System 1: 3-point lock system; Located on the active panel
System 2: 4-point lock system; Located on the active panel

Strike Plates:

Systems 1, 2: Latch strike; Two (2) required; Secured to the astragal with two (2) No. 8 x 2 $\frac{1}{2}$ " screws.
Center strike; One (1) required; Secured to the astragal with three (3) No. 8 x 2 $\frac{1}{2}$ " screws.

Product Identification (Certification Agency Label on Door):

System		
1-2	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Eagle Window and Door, Inc.
	Product Name	Hinged Patio Door - Inswing
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08

Impact Resistance:

Impact Resistant	Requirement
No	Impact protective system required when product is installed in areas where windborne debris protection is required

Installation: The wall framing shall be minimum Southern Yellow Pine dimension lumber. The door assembly shall be secured to the wall framing through the hinges with No. 12 x 2 ½" screws. Four (4) screws per hinge are required. The door assembly shall be secured to the wall framing through the latch strike plates and the center strike plate with minimum No. 8 x 2 ½" screws. Two (2) screws per latch strike plate are required and three (3) screws for the center strike plate are required. The sill is set in a bed of silicone. All fasteners shall be long enough to penetrate a minimum of 1 ½ inches into the wall framing.

Note: The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.